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CONTINUATION

OF THE

ANNUAL

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Meteorological Register,

KEPT AT

MANSFIELD WOODHOUSE,

FROM THE YEAR

1797,

TO THE END OF THE YEAR

1798.

By H. R. K

NOTTINGHAM:

PRINTED BY S. TUPMAN, SMITHY-BOW.

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*Register of the WINDS for the Year 1798.*

MONTHS.	EAST.	WEST.	North.	South.	N. East.	S. East.	S. West.	N. West.
January, .....	0	4	3	0	4	4	13	3
February, .....	0	8	0	0	0	0	11	9
March, .....	2	1	8	0	1	1	6	9
April, .....	1	1	0	2	4	9	11	2
May, .....	1	1	1	2	7	7	8	4
June, .....	0	4	0	0	3	6	10	7
July, .....	0	6	0	1	0	0	18	6
August, .....	0	7	3	2	5	4	7	3
September, ...	0	3	1	2	5	0	12	7
October, .....	2	0	0	0	2	1	19	7
November, ....	2	4	2	3	2	3	8	6
December, ....	10	1	2	1	3	5	7	2
<i>Total,</i>	18	40	20	13	39	40	130	65



*Register of the WEATHER for the Year 1798.*

MONTHS.	FROST.	SNOW.	RAIN.	FAIR.	Hot or Mild.	Thunder.
January,.....	12	2	8	21	3	0
February,.....	16	2	5	21	10	0
March,.....	12	2	6	23	0	0
April,.....	4	0	10	20	5	2
May, .....	1	0	11	20	8	0
June,.....	2	0	5	25	4	0
July, .....	0	0	25	6	0	3
August,.....	0	0	10	21	0	2
September,...	1	0	14	16	0	1
October, .....	4	0	15	16	0	0
November,....	9	1	11	18	0	0
December,....	16	3	7	21	0	0
<i>Total,</i>	77	10	127	228	30	8

*The greatest Rise and Fall of the BAROMETER in the Year 1798.*

MONTHS.	DAYS.	RISE.	DAYS.	FALL.
January,.....	8th.	30. 2	18th, 31st,	28. 7
February,*...	6, 7, 8.	30. 3	22.	28. 8
March,.....	3, 4.	30.	17, 18.	29.
April,.....	9.	30. 1	5.	29.
May,.....	21, 22.	30. 2	12, 14.	29.
June,.....	8.	30. 2	20, 21.	29. 3
July,.....	28, 29.	29. 9	16, 21.	29. 1
August,.....	21, 26, 27, 28.	30.	4, 10, 13.	29. 4
September,...	1.	29. 9	27.	28. 7
October,.....	7.	30.	30.	28. 9
November,...	17.	29. 9	8,	28. 5
December,...	24.	30. 3	3.	28. 9

• The three Figures 6, 7, 8, in the Column of Days for February shew that on those 3 Days the Barometer was stationary at 30 inches 3 lines: the same is continued in the Table of the Rise and Fall of the Thermometer.

*The greatest Rise and Fall of the THERMOMETER for the Year 1798.*

MONTHS.	DAYS.	RISE.	DAYS.	FALL.
January,.....	21st.	49	8th, 10th.	29
February,.....	15	51	17 18	27
March,.....	5	53	31	32
April,.....	28	64	1	40
May,.....	25	79	1	46
June,.....	12	80	1	60
July,.....	18	76	6 8 21	61
August,.....	18	74	29	58
September,...	3	67	28	44
October,.....	10	59	29	41
November,...	1	55	21	27
December,...	17. and 18.	41	28	11



*Excess of Cold in the Year 1798, when the Thermometer was below the Freezing Point.*



MONTHS, and Days thereof.	State of the Thermom.	Deg. below the Freez- ing Point.	WIND.
<i>Jan.</i> 8	29	3	S. E.
— 9	31	1	S. E.
— 10	29	3	S. W.
<i>Feb.</i> 17	27	5	N. W.
— 18	27	5	N. W.
— 19	28	4	N. W.
— 20	29	3	S. W.
<i>Nov.</i> 21	27	5	E.
<i>Dec.</i> 13	30	2	E.
— 14	30	2	E.
— 20	31	1	N.
— 21	31	1	S. W.
— 24	27	5	E.
— 25	26	6	E.
— 26	20	12	E.
— 27 *	12	20	S. E.
— 28	11	21	N. W.
— 29	25	7	S. W.
— 30	30	2	S. W.
— 31	26	6	N. E.

\* On the 27th, at 9 at night, the Thermometer was at 8 Degrees ;  
24 Degrees below the Freezing Point.



*The mean Height of the lower Term of Congelation  
in Latitude 52 is most probably in*

MONTHS.	FEET.	MONTHS.	FEET.
January ---	1800	July -----	10380
February--	3084	August ----	10166
March -----	4314	September	8268
April-----	5400	October ---	6240
May-----	7369	November	3715
June-----	9480	December-	2770



A  
T A B L E

*Of the sudden Transitions in the Temperature of the  
Air, as they occurred in the Year 1798.*

—♦♦♦♦♦—

Column No. 1, the Months; 2, the Days of the Month;  
3, State of the Thermometer; 4, Change from Cold to  
Heat; 5, from Heat to Cold, in Degrees; 6, Wind.

N. B. *Changes under ten Degrees are not noted.*

—♦♦♦♦♦—

1	2	3	4	5	6
MONTHS.	DAYS.	Therm.	Change to Heat.	Change to Cold.	WIND.
<i>January</i> .....	22	47	—	—	S. W.
—	23	35	—	12	S. W.
<i>February</i> ....	9	34	—	—	W.
—	10	45	11	—	W.
—	15	51	—	—	N. W.
—	16	37	—	14	W.
<i>March</i> .....	10	46	—	—	N. W.
—	11	33	—	13	N. W.
—	30	43	—	—	N. E.
—	31	32	—	11	N. W.
<i>April</i> .....	28	64	—	—	S. E.
—	29	46	—	18	N. E.
<i>May</i> .....	28	68	—	—	N. E.
—	29	55	—	13	N. E.

CARRIED FORWARD.

## BROUGHT FORWARD.

1	2	3	4	5	6
MONTHS.	DAYS.	Therm.	Change to Heat.	Change to Cold.	WIND.
<i>June</i> .....	4	63	—	—	S. W.
—	5	75	12	—	W.
<i>July</i> .....	17	64	—	—	N. W.
—	18	75	11	—	N. W.
—	28	63	—	—	N. W.
—	29	73	10	—	N. W.
<i>Aug.</i> .....	2	66	—	—	W.
—	3	56	—	10	S.
—	4	66	10	—	W.
—	9	70	—	—	S. W.
—	10	60	10	—	S. W.
<i>Sept.</i> .....	29	49	—	—	N. E.
—	30	59	10	—	N. W.
<i>Oct.</i> .....	1	49	—	10	N. W.
—	25	42	—	—	S. W.
—	26	55	13	—	S. W.
<i>Nov.</i> .....	5	54	—	—	S.
—	6	43	—	11	W.
—	26	34	—	—	S. W.
—	27	50	16	—	S. W.
<i>Dec.</i> .....	23	39	—	—	E.
—	24	27	—	12	E.
—	26	20	—	—	E.
—	27	12	—	10	S. E.
—	28	11	—	—	N. W.
—	29	25	14	—	S. W.

*No. of Days of Frost & Snow in Jan. Feb. & March,  
compared with those in Oct. Nov. and Dec.*

F. Frost, ——— S. Snow.

YEAR.	Months.	F.	S.	Months.	F.	S.
1798	<i>Jan.....</i>	12	2	<i>Oct. ....</i>	4	0
	<i>Feb.....</i>	16	2	<i>Nov....</i>	9	1
	<i>March.</i>	12	3	<i>Dec.....</i>	16	3
<i>Total</i>		- - - -	40 - 7	- - - -	29 - 4	

*Quantity of Rain which fell at the following Places  
in the Year 1798.*

London.	West Bridgford, Notts.	Lancaster.	Kendal.
INCHES. 26—22	27—22	48—19	60—85





## REMARKS *on the* WEATHER.

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IT will appear in the preceding Tables, that there were in the year 1785, 87 days of Frost, and in 1795, 66 days; in this year 1798, there have been 77 days of Frost, which are more than appear to have been in any one year since the above-mentioned year 1785, but it will be found, in looking over the Table of Excess of Cold in 1795, that there were 32 days when the Thermometer was below the Freezing Point. In the Table of Cold for the year 1798, it will be seen that there were only 20 days

days in which the Thermometer was below that point, but on the 27th of December, at 9 o'clock A. M. it was at  $12^{\circ}$ , 20 degrees below, and at 9 at night it stood at  $8^{\circ}$ , 24 degrees below; on the 28th, the Thermometer at 9 o'clock A. M. was at  $11^{\circ}$ , 21 degrees below the Freezing Point. Hence it appears that the Cold was more severe on the 27th and 28th of December than at any time in the year 1795.

In March, April and May, there were 63 days without Rain, which are 18 more than appear to have been in the year 1797, and notwithstanding the dryness of the season, this spring was forwarder than the last, which may probably be owing to the ten days of very mild weather in February.

The

The summer was pleasant, from being rather temperate than hot. On the 25th of May the Thermometer was at  $79^{\circ}$ ; on the 12th of June as high as  $80^{\circ}$ ; on the 13th at  $77^{\circ}$ , and on the 18th of July at  $76^{\circ}$ :—these were the only four days this year of Summer Heat.

The year 1798 has been remarkable for the number of sudden Transitions in the Temperature of the Air, as will appear by the Table,

Upon the whole, the Weather has been favourable to Vegetation: there has not been, for several years, a more plentiful Harvest; but the crops of Hay, in this part of Nottinghamshire, were thin.——The Kitchen Gardens produced plenty of good Fruit of all Kinds.

The

The foliage of the Oaks, Elms, Beeches, and Ashes, were uncommonly thick, and continued longer than usual;—the Oaks had a great quantity of Acorns.

The year closed with indications of a continuance of Frost; the Barometer on the 30th and 31st was at 30 inches and 2 lines, and the Thermometer on the 31st, 6 degrees below the Freezing Point.

